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What is claimed is:

1. A channel assignment method for multi-FA (Frequency Assignment) CDMA cellular systems in which a base station communicates a plurality of mobile stations, comprising the steps of:

comparing a first threshold value with received power when the base station receives a new call requst;

assigning a traffic channel in a first FA of the request, if the received power is less than the first threshold value, and searching a second FA of which received power is least, if not;

comparing a second threshold value with received power of the second FA; and

assigning a traffic channel in the second FA if the strength of received power is less than the second threshold value, and rejecting the request, if not.

- 2. The method as claimed in claim 1 further comprising the step of assigning a traffic channel in the first FA of the request, if there is an available channel when a base station receives a handoff call request.
- 3. A channel assignment method for multi-FA (Frequency Assignment) CDMA cellular systems in which a base station communicates a plurality of mobile stations, comprising the steps of:

comparing a first threshold value with cell loading when the

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base station receives a new call request;

assigning a traffic channel in a first FA of the request, if the cell loading is less than the first threshold value, and searching a second FA of which cell loading is least, if not;

comparing a second threshold value with cell loading in the second FA; and

assigning a traffic channel in the second FA, if the cell loading is less than the second threshold value, and rejecting the request, if not.

- 4. The method as claimed in claim 3 further comprising the step of assigning a traffic channel in the first FA of the request, if there is an available channel in the first FA when a base station receives a handoff call request.
- 5. A channel assignment method for multi-FA (Frequency Assignment) CDMA cellular systems in which a base station communicates a plurality of mobile stations, comprising the steps of:

comparing a first threshold value with variance of received power when the base station receives a new call request;

assigning a traffic channel in a first FA of the request, if the variance of received power is less than the first threshold value, and searching a second FA of which variance of received power is least, if not;

comparing a second threshold value with the variance of received power; and

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assigning a traffic channel in the second FA if the variance of received power is less than the second threshold value, and rejecting the request, if not.

- 6. The method as claimed in claim 5 further comprising the step of assigning a traffic channel in the first FA of the request, if there is an available channel in the first FA when a base station receives a handoff call request.
- 7. A channel assignment method for multi-FA (Frequency Assignment) CDMA cellular systems in which a base station communicates a plurality of mobile stations, comprising the steps of:

comparing a first threshold value with standard deviation of received power when the base station receives a new call request;

assigning a traffic channel in a first FA of the request, if / the standard deviation of received power is less than the first threshold value, and searching a second FA of which standard deviation of received power is least, if not;

comparing a second threshold value with standard deviation of received power; and

assigning a traffic channel in a second FA if the standard deviation is less than the second threshold value, and rejecting the request, if not.

8. The method as claimed in claim 7 further comprising the step of assigning a traffic channel in the first FA of the request,

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if there is an available channel when a base station receives a handoff call request.

